

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 September 2005 (22.09.2005)

PCT

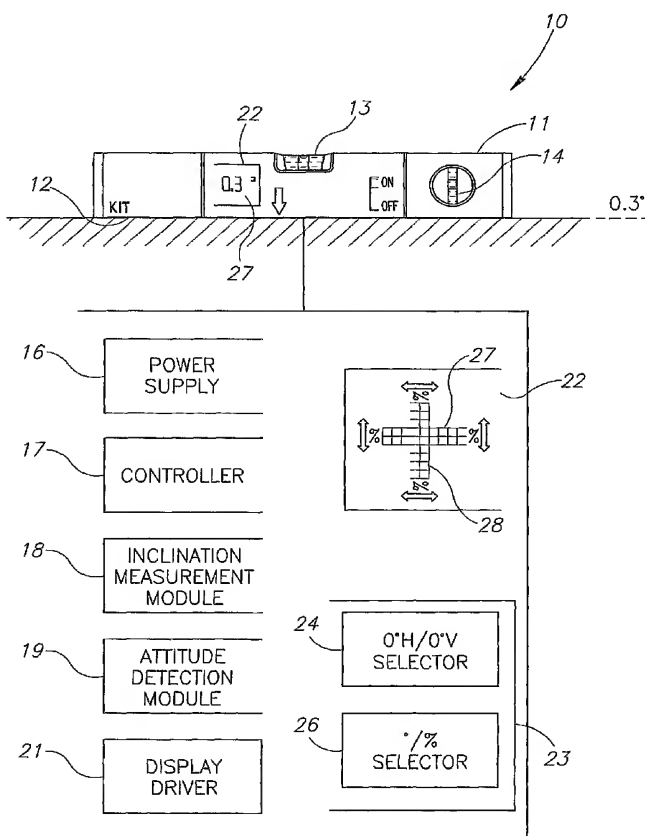
(10) International Publication Number
WO 2005/088248 A2

- (51) International Patent Classification⁷: **G01C 9/00**
- (21) International Application Number:
PCT/IL2005/000278
- (22) International Filing Date: 10 March 2005 (10.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
160860 13 March 2004 (13.03.2004) IL
60/590,938 26 July 2004 (26.07.2004) US
- (71) Applicant (for all designated States except US): **KAPRO INTELLIGENT TOOLS LTD** [IL/IL]; Kenyon Ha'drachim, 2 Hatamar Street, 20692 Yoqneam Illit (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **ARLINSKY, David** [IL/IL]; 11 Amat Ha'maim, 30300 Atlit (IL).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DIGITAL SPIRIT LEVEL



(57) Abstract: A digital spirit level for displaying inclination measurements of vertical surfaces upright relative to 0° horizontal for facing a user holding the digital spirit level against a vertical surface for facilitating straight on reading of its inclination measurement. The inclination measurements are preferably displayed relative to 0° vertical as opposed to 0° horizontal. The inclination measurements are displayed on either a display screen including a pair of orthogonal seven segment arrays or a graphic display screen for displaying inclination measurements upright relative to 0° horizontal irrespective of the attitude of the digital spirit level thereto. The digital spirit level preferably includes either a self-calibrating capacitive inclination measurement module or alternatively a closed loop inclination measurement module employing an electric field for maintaining a meniscus of a dielectric liquid at a predetermined reference position.

WO 2005/088248 A2



Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.